Yorkshire Dales National Park

Forecast valid from 00:00 on Wednesday 10 Mar 2021 until 23:59 on Thursday 11 Mar 2021

Forecast Issued on Tuesday 09 Mar 2021 at 10:09

Confidence: High for general themes. Lower for any more persistent rain or snow on Friday night.

Headline for Wednesday 10 Mar 2021: Cloudy with spells of rain, heavy at times. Less windy in morning but severe gales arriving later. Extensive hill fog.

Mountain weather hazards on Wednesday 10 Mar 2021

Blizzards
No Likelihood

Heavy Snow
No Likelihood

Storm force winds
Low Likelihood

Gales
High Likelihood

Severe chill effect
High Likelihood

Poor visibility
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Heavy Rain	Heavy Rain	Light rain	Light rain	Heavy Rain	Heavy Rain	Heavy rain showers (night)
Precipitation probability							
90%	90%	70%	70%	70%	60%	80%	40%

Forecast for Wednesday 10 Mar 2021

Weather: Further rain overnight, starting as sleet or wet snow on summits. The day staying cloudy with rain at times, this lighter in the morning but occasionally heavy in the afternoon. Then turning more showery in the evening but winds continuing to strengthen with severe gales.

Chance of cloud free mountain/hill tops above 600m: Little chance until it turns clearer in the evening.

Visibility: Mostly poor in heavy rain and drizzle, also in cloud which will be extensive at 450-600m. Becoming mainly good in the evening away from showers.

Forecast for Wednesday 10 Mar 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	30/43 S	31/44 S	25/37 SW	18/24 SW	16/23 SW	22/36 S	29/43 SW	36/58 SW	37/59 SW
300	17/37 S	19/41 S	16/34 SW	9/20 SW	8/19 SW	12/31 S	19/40 SW	24/52 SW	25/54 SW
Valley	16/36 S	16/37 S	13/28 SW	7/16 SW	6/15 SW	11/29 S	18/39 SW	23/50 SW	23/51 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	1/-6	2/-6	3/-3	2/-3	3/-2	5/-0	7/1	6/-0	4/-3
300	4/-2	4/-1	5/0	4/1	5/2	7/3	8/5	8/3	6/1
Valley	5/1	5/1	6/2	6/3	6/4	8/6	10/6	9/5	8/3
Freezing Level*	900m	1300m	1300m	1100m	1300m	2300m	2000m	1400m	1200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A poor day with conditions changing as demonstrated by the wind and temperature table

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Tue 09 Mar 2021	1.4mm	5.8mm	5.8mm

Forecast for Thursday 11 Mar 2021

Weather: A longer spell of rain in the early hours, clearing to broken cloud and occasional showers around daybreak. These showers turning increasingly to snow above 600m, with any left in the evening wintry to 400m though it will be mainly dry by then.

Maximum wind: Stormy overnight with southwesterly becoming westerly winds reaching 55 gusts 80mph the winds then slowly but steadily decreasing to 40 gusts 60mph by midday and 30 gusts 50mph in the evening.

Chance of cloud free mountain/hill tops above 600m: Little chance in the early hours, but 80% by day.

Visibility: Poor in rain overnight. Mainly good away from the cloud by day, with brief reductions to moderate or poor in showers. Broken cloud, mainly above 900m but some summit patches clinging on, and bases dropping to 600-700m at times near showers.

Temperature: **Valleys:** Plus 7 Celsius in early hours falling to Plus 5 during the day and Plus 2 in the evening.
At 600m: Plus 4 Celsius in early hours falling to Plus 2 in the morning and Zero by evening. Severe wind chill.
Freezing level: Above summits in early hours falling to 700m during the afternoon and 600m by evening.